

**SYSTEM AND METHOD FOR PROVIDING A MEDICAL LEAD BODY
HAVING CONDUCTORS THAT ARE WOUND IN OPPOSITE DIRECTIONS**

ABSTRACT OF THE DISCLOSURE

5 An implantable medical lead and lead body, method of
manufacturing the same, and a system and method for stimulating a
portion of a body are disclosed. A lead body assembly is formed
by preparing a first layer unitary body comprising a first
plurality of conductors wound in a first direction. An inner
10 layer of extrusion material is placed on the first layer unitary
body. A second plurality of conductors coated with extrusion
material is placed on the inner layer. The second plurality of
conductors is wound in a second opposite direction. An outer
layer of extrusion material is placed over the second plurality
15 of conductors. Heat shrink tubing is placed over the assembly.
The extrusion material is heated and melted and compressed around
the conductors. When the heat shrink tubing is removed, the
solidified extrusion material forms a protective wall that
encapsulates the conductors in the lead body.